Rejected

-

Appl	icati	ion/	Con	trol	No.	

10646145

Applicant(s)/Patent Under Reexamination
KIM ET AL.

Α

Appeal

i145 | K

Art Unit

Examiner LAYLA SOROUSH

Cancelled

1617

Non-Elected

=	А	llowed		÷	Res	tricted		1	Interf	erence		o	Obje	ected	
=															
	Claims r	enumbered	in the s	ame	order as pr	esented by	applic	ant		☐ CPA		] T.I	D. 🗆	R.1.47	
	CLA	IM						DATE	DATE						
F	inal	Original	08/16/2	2008	10/28/2008	06/19/2009	01/02	/2010							
		1	-		-	-									
		2	-		-	-									
		3	-		-	-									
		4	-		-	-									
		5	-		-	-							1		
		6	-		-	-									
		7	-		-	-									
		8	-		-	-									
		9	-		-	-							1		
		10	-		-	-									
		11	-		-	-									
		12	-		-	-									
		13	-		-	-									
		14	-		-	-							1		
		15	-		-	-									
		16	-		-	-									
		17	-		-	-									
		18	-		-	-									
		19	-		-	-	_								

-

Appl	licati	ion/	Con	trol	No.	

10646145

LAYLA SOROUSH

Applicant(s)/Patent Under Reexamination
KIM ET AL.

Examiner Art U

Art Unit

<b>✓</b>	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
1	Interference

Α	Appeal
О	Objected

CLA	MIA					DATE		
Final	Original	08/16/2008	10/28/2008	06/19/2009	01/02/2010			T
	37							
	38		-	-	- 1			
	39			-	- 1			
	40			-	- 1			
	41	-	-	-	- 1			
	42	-	-	-	- 1			
	43	-	-	-	- 1			
	44	-	-	-	- 1			
	45	-		-	- 1			
	46	-	-	-	-			
	47	-		-	- 1			
	48	-	-	-	- 1			
	49	-		-	- 1			
	50	-	-	-	- 1			
	51	-	-	-	- 1			
	52	-	-	-	- 1			
	53	-		-	- 1			
	54	-	-	-	- 1			
	55	-		-	- 1			
	56	-		-	- 1			
	57	-	-	-	-			
	58	-	-	-	-			
	59	-	-	-	-			
	60	-	-	-	-			
	61	-		-	-			
	62	-	-	-	- 1			
	63	-						
	64	-		-				
	65	-		-	-			
	66	-		-	-			
	67	-		-	-			
	68	-	-	-	-			
	69	-		-	-			
	70	-	-	-	-			
	71				- 1			

Application/Contro	l No.	

10646145

Applicant(s)/Patent Under Reexamination KIM ET AL.

Art Unit

Examiner

LAYLA SOROUSH

~	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
1	Interference

Α	Appeal
0	Objected

CLA	MIZ					DATE				
Final		0014010000	40 100 10000	0014010000	01/02/2010	DAIL	1			1
rinai	Original									
	73		-	-						
	74	-	-	-	-					
	75		-		-					
	76		-							
	77			-						
	78	-	-	-	-					
	79	-	-	-	-					
	80			-	-					
	81	-	-	-	-					
	82	-		-	-					
	83									
	84			-	-					
	85			-						
	86		-	-	-					
	87									
	88									
	89	-	-	-	-					
	90			-	-					
	91			-	-					
	92		-	-	-					
	93		-	-	-					
	94		-	-	-					
	95		-		-					
	96		-	-						
	97		-	-	-					
	98									
	99	-	-	-	-					_
	100			-						
	101	-	-							
	102			-						
	103									1
	103	-		-	-			-	-	1
	105	-		-	-					-
	106									1
		-	-	-	-					-
	107	-	-	-						1

Application/Control	No.	

10646145

Applicant(s)/Patent Under Reexamination KIM ET AL.

Art Unit

Examiner

LAYLA SOROUSH

~	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
1	Interference

Α	Appeal
0	Objected

CL	MIA					DATE				
Final	Original	08/16/2008	10/28/2008	06/19/2009	01/02/2010					Т
	109		-							<del>                                     </del>
	110		-	-	-					<del>                                     </del>
	111		-	-						+
	112		-	-						+
	113		-	-						1
	114		-	-	-					+
	115		-	-	-					+
	116	-	-	-	-					+
	117		-	-	-					<del>                                     </del>
	118	-	-	-	-					t
	119	-	-	-						†
	120			-						1
	121			-						$\top$
	122	-	-	-						$\top$
	123		-	-						$\top$
	124	-	-	-						
	125	-	-	-	-					1
	126		-	-	-					1
	127		-	-	-					
	128		-	-	-					
	129		-	-	-					
	130	-	-	-	-					
	131		-	-	-					
	132	-	-	-	-					
	133	-		-	-					
	134	-	-	-	-					
	135	-		-	-					
	136			-						
	137									
	138	-		-	-					
	139	-	-	-	-					
	140	-	-	-	-					
	141	-	-	-	-					
	142	-	-	-	-					
	143	-			-					1

Application/Control No.	
-------------------------	--

10646145 Examiner Applicant(s)/Patent Under Reexamination KIM ET AL.

LAYLA SOROUSH

Art Unit 1617

Rejected Allowed =

-	Cancelled
÷	Restricted

N	Non-Elected
1	Interference

Α	Appeal
0	Objected

CLAIM		1				ATE		
Final	Original	08/16/2008	10/28/2008	06/19/2009	01/02/2010			
	145	-						
	146	-	1	/	·			
	147	1	1	·	·			
	148	1	1	·	·			
	149	/	1	1	-			
	150	/	·	1	·			
	151	·	·	1	·			
	152	· ·	1	1	·			
	153	· ·	1	1	·			
	154	· ·	1	1	·			
	155	1	·	·	·			
	156	· ·	<b>V</b>	·	·			
	157	1	1	1	·			
	158	1	1	·	<b>√</b>			
	159	1	1	·	·			
	160	1	1	·	· /			
	161	1	1	·	·			
	162	· ·	<b>~</b>	<b>V</b>	✓			
	163	·	<b>~</b>	<b>V</b>	<b>√</b>			
	164	· ·	<b>~</b>	<b>V</b>	<b>√</b>			
	165	1	1	1	✓			
	166	1	<b>~</b>	<b>1</b>	✓			
	167	1	<b>√</b>	<b>V</b>	✓			
	168	· ·	<b>~</b>	1	<b>√</b>			
	169	· ·	<b>~</b>	1	<b>✓</b>			
	170	· ·	<b>~</b>	· /	· ·		_	
	171	V	<b>~</b>	· ·	V			
	172	V	<b>~</b>	·	Ý.			
	173	· ·	4	1	✓			
	174	· ·	4	1	✓			
	175	1	1	1	<b>√</b>			
	176	V	<b>*</b>	1	<b>√</b>			
	177	· ·	<b>√</b>	1	<b>√</b>			
	178	1	<b>~</b>	1	-			
	179	1	·	1	-			

Appl	licat	ion/	Conf	trol	No.

10646145

LAYLA SOROUSH

KIM ET AL.

Applicant(s)/Patent Under Reexamination

Examiner

Art Unit

Rejected

= Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
1	Interference

Α	Appeal
0	Objected

CLAIM		DATE								
Final	Original	08/16/2008	10/28/2008	06/19/2009	01/02/2010					
	181	1	1	1	1					
	182	1	1	1	1					
	183	1	<b>✓</b>	1	1					
	184	1	·	1	1					
	185	1	1	1	·					
	186	1	1	1	·					
	187	1	1	1	·					
	188	1	1	1	1					
	189	1	1	1	1					
	190	1	1	1	·					
	191	1	1	1	·					
	192	1	1	1	·					
	193	1	1	1	·					
	194	1	1	1	·					
	195	1	1	1	·					
	196	1	1	1	·					
	197	1	1	1	·					
	198	1	1	1	·					
	199	1	1	1	·					
	200	1	1	·	·					
	201	1	1	1	·					
	202	1	1	1	·					
	203	1	1	1	·					
	204	1	1	1	-					
	205	1	1	1	-					
	206	-	· /	_ <	-					
	207	1	· /	· ·	-					
	208	1	·	-	-					
	209	1	✓	1	-					
	210	1	✓	1	-					
	211	1	✓	1	-					
	212	1	✓	1	-					
	213	1	1	1	-					
	214	· /	✓	1	-					
	215	1	·	1	-					
	216	1	1	1	-					

Application/Control No.	
-------------------------	--

10646145

Applicant(s)/Patent Under Reexamination KIM ET AL.

46145

Art Unit

Examiner

LAYLA SOROUSH

~	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
1	Interference

A	Appeal
О	Objected

Final Original 08/16/20   217   V	8 10/28/200			DATE				
2117		3 06/19/2009	01/02/2010					Т
219		1						
220	1	1						
221	-	1						-
222	-	1						<b>†</b>
223	1	1	- 1					<b>†</b>
224	1	1	-					$\overline{}$
225	1	/	- 1					$\overline{}$
228	1	/	- 1					$\overline{}$
227	-	/	-					$\overline{}$
228	1	1						
228	1	1	-					
230	1	1	- 1					
231	·	1						
232	·	1						
233 234 235 236 237 238 239 240 241 242 243 244 245 245 246	·	1						
234 235 236 237 238 239 240 241 242 243 244 245 245 246	·	1						
235 226 237 238 239 240 241 241 242 243 244 245 245 246		1	·					
238 237 238 239 240 241 242 243 244 245 246 247		1	-					
237 238 239 240 241 242 243 244 245 246 246		1						
238 239 240 241 241 242 243 244 245 246 247		1						
239 240 241 242 243 244 245 246 247		1	·					
240 241 242 243 244 245 246 247		·	·					
241 242 243 244 245 246 247		·	·					
242 243 244 245 246 247		·	·					
243 244 245 246 247		· ·	·					
244 245 246 247		· /	·					
245 246 247		1	<b>V</b>					
246 247		1	·					
247								
248								
249								
250								

|--|--|

Appl	icati	on/	Con	trol	No.	

10646145

LAYLA SOROUSH

Examiner

Applicant(s)/Patent Under Reexamination KIM ET AL.

Art Unit 1617

Rejected Allowed

=

-	Cancelled
÷	Restricted

N	Non-Elected
1	Interference

Α	Appeal
0	Objected

CLAIM			DATE						
Final	Original	08/16/2008	10/28/2008	ne/19/2009	01/02/2010		1	-	1
r med	253	100/10/2000	10/20/2000	00/10/2009	0110212010		+	-1	+
	254						-	=	+
	255							-	
	256								
	257							_	
	258								
	259						+	-	+
	260						1		
	261						_		
	262	1					1		1
	263						1	_	1
	264								+
	265							_	+
	266								
	267								
	268								
	269								
	270								
	271								
	272								
	273								
	274								
	275								
	276								
	277								
	278								
	279								
	280								
	281								
	282								
	283								
	284								
	285								
	286								
	287								

	Appl	icati	ion/	Con	trol	No.
--	------	-------	------	-----	------	-----

10646145

Applicant(s)/Patent Under Reexamination

KIM ET AL.

Examiner

LAYLA SOROUSH

✓	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
1	Interference

Α	Appeal
0	Objected

CLAIM		DATE								
Final	Original	08/16/2008	10/28/2008	06/19/2009	01/02/2010	27112				1
i iii cai	289	00/10/2000	10/20/2000	00/10/2000	0.1022010					
	290									
	291									
	292									
	293									
	294									
	295									
	296									
	297									
	298									
	299									
	300									
	301									
	302									
	303									
	304									
	305									
	306									
	307									
	308									
	309									
	310									
	311									
	312									
	313									
	314									
	315									
	316									
	317									
	318									
	319									
	320									
	321									
	322									
	323			_	1			· ·		1 -

Application	Control	No.

10646145

LAYLA SOROUSH

Applicant(s)/Patent Under Reexamination

KIM ET AL.

Examiner

Art Unit

RejectedAllowed

-	Cancelled
÷	Restricted

N	Non-Elected
1	Interference

Α	Appeal
О	Objected

CLA	AIM					DATE			
Final	Original	08/16/2008	10/28/2008	06/19/2000	01/02/2010		1	_	1
i iiiai	325	00/10/2000	10/20/2000	00/10/2000	0110222010			-	
	326							+	
	327							+	
	328							+	
	329							+	
	330							+	
	331							_	
	332							_	
	333							+	
	334							+	
	335						-	+	+
	336							+	+
	337							_	
	338							-	
	339							_	
	340							-	
	341							_	
	342							$\pm$	
	343							$\neg$	+
	344							$\neg$	
	345							-	1
	346							_	1
	347							_	
	348							$\neg$	
	349							$\neg$	
	350						1	$\neg$	1
	351						<del>                                     </del>	-1-	1
	352							$\neg$	
	353							$\neg$	
	354							$\neg$	
	355							$\neg$	
	356							$\top$	
	357							$\neg$	
	358							$\pm$	1
	359						+	_	+

|--|

Appl	ication	/Contro	l No.

10646145

LAYLA SOROUSH

Examiner

5

Applicant(s)/Patent Under Reexamination

KIM ET AL.

Art Unit

✓ Rejected -

-	Cancelled
÷	Restricted

N	Non-Elected
1	Interference

Α	Appeal
0	Objected

CLAIM			DATE							
Final	Original	08/16/2008	10/28/2008	06/19/2009	01/02/2010					
	361									
	362									
	363									
	364									
	365									
	366									
	367									
	368									
	369									
	370									
	371									
	372									
	373									
	374									
	375									
	376									
	377									
	378									
	379									
	380									
	381									
	382									
	383									
	384									
	385									
	386								1	
	387									
	388									
	389									
	390									
	391									
	392									
	393									
	394									
	395									

Appl	icatio	n/Con	trol I	No.
------	--------	-------	--------	-----

10646145

Applicant(s)/Patent Under Reexamination

LAYLA SOROUSH

Examiner

Art Unit 1617

KIM ET AL.

✓	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected						
1	Interference						

Α	Appeal					
О	Objected					

CLAIM		DATE								
Final	Original	08/16/2008	10/28/2008	06/19/2009	01/02/2010					Т
	397	00/10/2000	TOTEOTEOGO	00/10/2000	0.1022010					
	398									
	399									
	400									
	401									
	402									
	403									
	404									
	405									
	406									
	407									
	408									
	409									
	410									
	411									
	412									
	413									
	414									
	415									
	416									
	417									
	418									
	419									
	420									
	421									
	422									
	423									
	424									
	425									
	426									
	427									
	428									
	429									
	430									
	431									

	Application/Control No.	Applicant(s)/Patent Under Reexamination
Index of Claims	10646145	KIM ET AL.
	Examiner	Art Unit
	LAYLA SOROUSH	1617

Non-Elected

Appeal

Cancelled

Rejected

=	A	llowed		÷	Res	tricted	1	Interference			O Obje		cted
П	☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47												
CLAIM DATE								<u>.                                     </u>					
F	inal	Original	08/16/2	800	10/28/2008	06/19/2009	01/02/2010						
		433											
		434											
		435											
		436											
		437											
		438		П									

U.S. Patent and Trademark Office Part of Paper No.: 20100102